

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 08 Jan 2023 until 23:59 on Monday 09 Jan 2023

Forecast Issued on Sunday 08 Jan 2023 at 00:22

Confidence: High for the unsettled and windy conditions continuing through the period. Lower confidence for precise timings and precipitation amounts for more persistent areas of rain on Tuesday, Wednesday and Thursday. Shower detail low confidence throughout.

Headline for Sunday 08 Jan 2023: Windy, with gales for higher peaks. Blustery showers likely merging to longer periods of rain, sleet and snow, with a chance for some drier spells to develop late afternoon.

Mountain weather hazards on Sunday 08 Jan 2023

Blizzards
Low Likelihood

Heavy persistent snow
Medium Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
High Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Fog	Light snow	Heavy snow	Light snow	Heavy snow	Light snow
Precipitation probability					
30%	40%	70%	40%	20%	30%

Forecast for Sunday 08 Jan 2023

Weather: Windy through the morning with plenty of low cloud, and fog on higher peaks. A few showers possible during the early morning, with showers liable to merge together to give heavier, more persistent periods of precipitation through the middle part of the day. Precipitation falling as rain early on but becoming increasingly wintry through the morning for higher ground, with snow falling at elevations greater than 500m. Visibility will be very poor on passage of showers, with windchill also an ever present factor. Early evening will see a brief respite in poorer conditions, with showers easing off and low cloud becoming confined to higher peaks, before blustery showers again move in from the west.

Chance of cloud-free hill tops above 600m: 10% through the day, perhaps rising to 30% by end of the day..

Low Cloud and visibility: Higher ground above 500m likely to be in fog for much of the day, with lower slopes initially seeing good visibilities through the morning. As heavy showers become wintry and more persistent through the morning, overcast cloud will become more widespread and bases will lower further, with sharp drops in visibility even at modest elevations. A slight improvement should occur later in the day as showers ease, but highest peaks still likely to remain in fog.

Forecast for Sunday 08 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/30 SW	21/30 S	21/30 S	20/29 SW	18/27 SW	18/26 SW	17/26 SW
300	12/27 SW	13/27 S	14/27 S	11/23 SW	10/23 SW	10/21 SW	10/22 SW
Valley	9/22 S	12/28 S	11/24 S	9/21 S	9/22 S	9/20 S	8/20 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-3	2/-5	1/-5	1/-6	1/-6	0/-6	2/-4
300	5/1	4/-1	3/-1	3/-1	3/-1	2/-2	4/-0
Valley	6/3	5/1	5/1	4/1	4/1	4/0	5/2
Freezing Level*	900m	900m	800m	700m	700m	600m	900m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Note the falling freezing level and strong winds, with windchill a significant hazard.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 08 Jan 2023	12.6mm	17.8mm	26.4mm

Forecast for Monday 09 Jan 2023

Weather: Monday will see unsettled conditions continuing with blustery showers expected through much of the day, although they are unlikely to be as heavy as on Sunday. Over higher ground will see wintry precipitation once again. Showers should ease off into the late evening, with a drier, slightly colder, night ahead. Strong winds expected, with gales over higher peaks.

Maximum wind: Increasing westerlies gusting up to 45-50mph by the evening.

Chance of cloud-free hill tops above 600m: 30%

Low Cloud and visibility: Visibility generally good at modest elevations, but higher peaks likely to be in hill fog for much of the day once again. As on Sunday, passing showers will cause sharp drops in visibility, especially in wintry precipitation..

Temperature: **Valleys:** Plus 4 Celsius.
At 600m: Plus 1 Celsius.
Freezing level: Around 600-700m.